

# Enhanced Grid Form Element (Form Grid)

**Enhanced Grid Form Element** extends the default functionalities of a typical grid element. Unlike the generic grid element that only accepts standard text field for its inputs, the Enhanced Grid Form Element captures data by making reference to another form element. Hence, one can take full advantage of what a typical form element has to offer, e.g., validation and formatting.

Edit Form Grid

Edit Form Grid > UI > Choose Load Binder > Choose Store Binder

ID \*

items

Label

Items

Form \*

Item Form

Columns

Value	Label	Format Type	Format
id	ID	Text	
date	Date	Date	M/d/y y/M/d
amount	Amount	Decimal	2

Read-only

Figure 1: Properties of Enhanced Grid Form Element

ID	Element ID
Label	Element Label
Form	Target form to be used for data entry
Columns	Columns to be displayed in the grid. (Value must correspond to the element id in the target form)
Read-only	Determines if the grid is editable

Apart from setting up the columns, an external form can also be set to capture more data than what the grid actually shows. One can also define the format on the returned data.

Available Format Types

- **Text** - formats the value as text
- **HTML** - outputs data as HTML
- **Date** - formats as date. Original Date and New Date formats are expected in the **"Format"** field.  
**Format:** [KB:input format][KB:output format]  
Example of usage:  
**Original value:** 5/23/2012  
**Expected value:** 2012/5/23  
**Format:** M/d/y|y/M/d  
Note: Please refer to [Java SimpleDateFormat](#) for date format.
- **Decimal** - formats as decimal. Number of decimals is expected in the **"Format"** field.
- **File** - Show the value as a link to the attachment. **Form Def id** is expected in the **"Format"** field.
- **Image** - Show the value as a thumbnail of the attachment. **Form Def id** is expected in the **"Format"** field.

**UI**

Edit Form Grid > **UI** > Validation > Choose Load Binder > Configure Multirow Form Binder > Choose Store Binder > Configure Multirow Form Binder

Enable Sorting Feature
☒

Field ID for Sorting

Form Submit Button Label (Normal Mode) \*

Form Submit Button Label (Read-only Mode) \*

Display field as Label when readonly?
☐

Disabled Add Feature
☐

Disabled Delete Feature
☐

Delete confirm message

Show Row Numbering?
☐

Popup Dialog Height

Popup Dialog Width

< Prev
Next >

OK
Cancel

Figure 2: Properties of Enhanced Grid Form Element - UI

Enable Sorting Feature	Determines if ordering of rows is to be enforced
Field ID for Sorting	Field to keep the ordering sequence; must correspond with a field id in the target form
Form Submit Button Label (Normal Mode)	Label of the Submit button in normal mode
Form Submit Button Label (Read-only Mode)	Label of the Submit button in read-only mode
Display field as Label when readonly?	Displays field values as plain text in target form when Form Grid is set to read-only
Disable Add Feature	Determines if a new row can be added
Disable Delete Feature	Determines if a row can be removed
Delete confirm message	Confirmation message when deleting a row
Show Row Numbering?	Shows numbering on the grid
Popup Dialog Height	Target form dimension
Popup Dialog Width	Target form dimension

Validation

Edit Form Grid > UI > **Validation** > Choose Load Binder > Configure Multirow Form Binder > Choose Store Binder > Configure Multirow Form Binder

Unique Column

Optional column to check for duplicate rows

Min Number of Row Validation (Integer)

Max Number of Row Validation (Integer)

Error Message

Figure 3: Properties of Enhanced Grid Form Element - Validation

Unique Column	Field to keep the record primary key (e.g., id); must correspond with a field id in the target form
Min Number of Row Validation (Integer)	Minimum number of rows allowed
Max Number of Row Validation (Integer)	Maximum number of rows allowed
Error Message	Custom validation error message

#### Enhanced Grid Form Element in a Form

Adding a new row would bring up the external form and upon submission, the data will be stored accordingly in the background and in the columns, with matching IDs.

Items

ID	Date	Amount
1	2012/5/23	1.00
2	2012/5/29	20.00

+

Figure 4: Working Example of the Enhanced Grid Form Element

Add Entry

close

Item Details

ID

Date

Amount

Submit

Figure 5: Adding New Entry in the Working Example of the Enhanced Grid Form Element

**Limitation:** This element may not work well when the referencing form contains [Add a Grid](#), [Enhanced Grid Form Element \(Form Grid\)](#), [Subforms](#) and [AJAX Sub Form](#).